

MAIL TO:

STATE OF UTAH
DIVISION OF PURCHASING
3150 STATE OFFICE BUILDING, CAPITOL HILL
P.O. BOX 141061
SALT LAKE CITY, UTAH 84114-1061
TELEPHONE (801) 538-3026
<http://purchasing.utah.gov>

Invitation to BidSolicitation Number: **RF5089**Due Date: **12/14/04 @ 2:00 P.M.**

Date Sent: November 29, 2004

Goods and services to be **PROVIDE ASPHALT MATERIAL****Must Complete**

Company Name		Federal Tax Identification Number	
Ordering Address	City	State	Zip Code
Remittance Address (if different from ordering address)	City	State	Zip Code
Type <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Proprietorship <input type="checkbox"/> Government	Company Contact Person		
Telephone Number (include area code)	Fax Number (include area code)		
Company's Internet Web Address	Email Address		
Discount Terms (for bid purposes, bid discounts less than 30 days will not be considered)	Days Required for Delivery After Receipt of Order (see attached for any required minimums)		
<p>The following documents are included in this solicitation: Solicitation forms, instructions and general provisions, Terms and Conditions, and specifications. <u>Please review all documents carefully before completing.</u></p> <p>The undersigned certifies that the goods or services offered are produced, mined, grown, manufactured, or performed in Utah. Yes_____ No_____. If no, enter where produced, etc._____</p>			
Offeror's Authorized Representative's Signature		Date	
Type or Print Name		Position or Title	

STATE OF UTAH
DIVISION OF PURCHASING

Invitation to Bid

Solicitation Number: RF5089

Due Date: 12/14/04

Vendor Name:

The following asphalt material shall be quoted FOB Point of Manufacture. Indicate the address of loading point for UDOT distributors to pick up this material.

Item#	Qty	Unit	Description	Unit Price	Extension
001	45	Ton	SC Asphalt material - Various Grades	\$	\$
002	145	Ton	MC Asphalt material - Various Grades	\$	\$
003	335	Ton	SS or CSS Emulsified Asphalt material - Various Grades	\$	\$
004	705	Ton	CRS-2A or CRS-2B Emulsified Asphalt material - Various Grades	\$	\$
005	25	Ton	LCRS-2A Asphalt Material - Various Grades	\$	\$
006	560	Ton	Asphalt Rejuvenation - Type B Modified - Various Grades	\$	\$
007	525	Ton	Asphalt Rejuvenation - Type C - Various Grades	\$	\$
008	25	Ton	Asphalt Rejuvenation - Type D - Various Grades	\$	\$
009	25	Ton	High Float Emulsion - Various Grades	\$	\$

Asphalt material to be delivered to various locations throughout the state shall be bid on the attached bid sheets.

Changes or Modifications to Procurement:

Any changes or modifications to this solicitation will only be accomplished in written addendum sent from the Division of Purchasing. Any other form is not binding. Bidders submitting a bid on any information other than which is contained in this solicitation document, or any addendum thereto, do so at their own risk.

With questions regarding the specifications contact Debra Boulton at (801)965-4070.

Bid process questions (not related to the specifications) should be directed to Rosemary Frenchwood at (801)538-3147.

This is an Invitation to Bid, therefore, you may either hand deliver or mail in your bid response. Bid responses that are faxed in will NOT be considered.

A 15% performance/payment bond will be required of the successful contractor(s). Please complete the attached bond statement form to submit with your bid response.

This bid will result in an agency contract for a period of 1 year with a one (1) year renewal option.

Reference RX#: 810 56-68

INVITATION TO BID - INSTRUCTION AND GENERAL PROVISIONS

- 1. BID PREPARATION:** (a) All prices and notations must be in ink or typewritten. (b) Price each item separately. Unit price shall be shown and a total price shall be entered for each item bid. Errors may be crossed out and corrections printed in ink or typewritten adjacent and must be initialed in ink by person signing quotation. (c) Unit price will govern, if there is an error in the extension. (d) Delivery time is critical and must be adhered to as specified. (e) Wherever in this document an item is defined by using a trade name of a manufacturer and/or model number, it is intended that the words, "or equivalent" apply. "Or equivalent" means any other brand that is equal in use, quality, economy and performance to the brand listed as determined by the Division of Purchasing & General Services (DIVISION). If the vendor lists a trade name and/or catalog number in the bid, the DIVISION will assume the item meets the specifications unless the bid clearly states it is an alternate, and describes specifically how it differs from the item specified. All bids must include complete manufacturer's descriptive literature if quoting an equivalent product. All products are to be of new, unused condition, unless otherwise requested in this solicitation. (f) By signing the bid the vendor certifies that all of the information provided is accurate, that they are willing and able to furnish the item(s) specified, and that prices quoted are correct. (g) This bid may not be withdrawn for a period of 60 days from bid due date.
- 2. SUBMITTING THE BID:** (a) The bid must be signed in ink, sealed in a properly-addressed envelope, and either mailed or delivered to the DIVISION OF PURCHASING, 3150 State Office Building, Capitol Hill, Salt Lake City, UT 84114-1061 by the "Due Date and Time." **The "Bid Number" and "Due Date" must appear on the outside of the envelope.** (b) Bids, modifications, or corrections received after the closing time on the "Due Date" will be considered late and handled in accordance with the Utah Procurement Rules, section R33-3-109. (c) **Your bid will be considered only if it is submitted on the forms provided by the state. Facsimile transmission of bids to DIVISION will not be considered.** (d) All prices quoted must be both F.O.B. Origin per paragraph 1.(c) and F.O.B. Destination. Additional charges including but not limited to delivery, drayage, express, parcel post, packing, cartage, insurance, license fees, permits, costs of bonds, or for any other purpose must be included in the bid for consideration and approval by the DIVISION. Upon award of the contract, the shipping terms will be F.O.B. Destination, Freight Prepaid with freight charges to be added to the invoice unless otherwise specified by the DIVISION.
- 3. SOLICITATION AMENDMENTS:** All changes to this solicitation will be made through written addendum only. Bidders are cautioned not to consider verbal modifications.
- 4. PROPRIETARY INFORMATION:** Suppliers are required to mark any specific information contained in their bid which is not to be disclosed to the public or used for purposes other than the evaluation of the bid. Each request for non-disclosure must be accompanied by a specific justification explaining why the information is to be protected. Pricing and service elements of any bid will not to be considered proprietary. Bids submitted may to be reviewed and evaluated by any persons at the discretion of the state.
- 5. SAMPLES:** Samples of item(s) specified in this bid, when required by DIVISION, must to be furnished free of charge to DIVISION. Any item not destroyed by tests may, upon request made at the time the sample is furnished, to be returned at the bidder's expense.
- 6. WARRANTY:** The contractor agrees to warrant and assume responsibility for all products (including hardware, firmware, and/or software products) that it licenses, contracts, or sells to the State of Utah under this contract for a period of one year, unless otherwise specified and mutually agreed upon elsewhere in this contract. The contractor (seller) acknowledges that all warranties granted to the buyer by the Uniform Commercial Code of the State of Utah applies to this contract. Product liability disclaimers and/or warranty disclaimers from the seller are not applicable to this contract unless otherwise specified and mutually agreed upon elsewhere in this contract. In general, the contractor warrants that: (1) the product will do what the salesperson said it would do, (2) the product will live up to all specific claims that the manufacturer makes in their advertisements, (3) the product will be suitable for the ordinary purposes for which such product is used, (4) the product will be suitable for any special purposes that the State has relied on the contractor's skill or judgement to consider when it advised the State about the product, (5) the product has been properly designed and manufactured, and (6) the product is free of significant defects or unusual problems about which the State has not been warned. Remedies available to the State include the following: The contractor will repair or replace (at no charge to the State) the product whose nonconformance is discovered and made known to the contractor in writing. If the repaired and/or replaced product proves to be inadequate, or fails of its essential purpose, the contractor will refund the full amount of any payments that have been made. Nothing in this warranty will be construed to limit any rights or remedies the State of Utah may otherwise have under this contract.
- 7. DIVISION APPROVAL:** Purchase orders placed, or contracts written, with the state of Utah, as a result of this bid, will not to be legally binding without the written approval of the director of the DIVISION.
- 8. AWARD OF CONTRACT:** (a) the contract will to be awarded with reasonable promptness, by written notice, to the lowest responsible bidder that meets the specifications. Consideration will to be given to the quality of the product(s) to be supplied, conformity to the specifications, the purpose for which required, delivery time required, discount terms and other criteria set forth in this invitation to bid. (b) The bids are opened publicly in the presence of one or more witnesses. the name of each bidder, and the amount of the bid is recorded. Each bid, and the record, is open to public inspection. (c) The DIVISION may accept any item or group of items, or overall low bid. the DIVISION has the right to cancel this invitation to bid at any time prior to the award of contract. (d) The DIVISION can reject any and all bids. And it can waive any informality, or technicality in any bid received, if the DIVISION believes it would serve the best interest of the State. (e) Before, or after, the award of a contract the DIVISION has the right to inspect the bidder's premises and all business records to determine the holder's ability to meet contract requirements. (f) DIVISION does not guarantee to make any purchase under awarded contract(s). Estimated quantities are for bidding purposes only, and not to be interpreted as a guarantee to purchase any amount. (g) Utah has a reciprocal preference law which will to be applied against bidders bidding products or services produced in states which discriminate against Utah products. For details see Section 63-56 20.5 -20.6, Utah Code Annotated.
- 9. ANTI-DISCRIMINATION ACT:** The bidder agrees to abide by the provisions of the Utah Anti-discrimination Act, Title 34 Chapter 35, U.C.A. 1953, as amended, and Title VI and Title VII of the Civil Rights Act of 1964 (42 USC 2000e), which prohibit discrimination against any employee or applicant for employment, or any applicant or recipient of services, on the basis of race, religion, color, or national origin; and further agrees to abide by Executive Order No. 11246, as amended, which prohibits discrimination on the basis of sex; 45 CFR 90 which prohibits discrimination on the basis of age, and Section 504 of the Rehabilitation Act of 1973 or the Americans with Disabilities Act of 1990, which prohibits discrimination on the basis of disabilities. Also bidder agrees to abide by Utah's Executive Order, dated March 17, 1993, which prohibits sexual harassment in the workplace. Vendor must include this provision in every subcontract or purchase order relating to purchases by the State of Utah to insure that the subcontractors and vendors are bound by this provision.
- 10. DEBARMENT:** The CONTRACTOR certifies that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction (contract) by any governmental department or agency. If the CONTRACTOR cannot certify this statement, attach a written explanation for review by the STATE.
- 11. GOVERNING LAWS AND REGULATIONS:** All state purchases are subject to the Utah Procurement Code, Title 63 Chapter 56 U.C.A. 1953, as amended, and the Procurement Regulations as adopted by the Utah State Procurement Policy Board. These are available on the Internet at www.purchasing.utah.gov

UDOT ASPHALT BID ZONES



Map Produced by Kory Iman 2004
Data Provided by UDOT
Bid Zone Data 1991

ATTACHMENT A: STANDARD TERMS AND CONDITIONS

1. **AUTHORITY:** Provisions of this contract are pursuant to the authority set forth in 63-56, Utah Code Annotated, 1953, as amended, Utah State Procurement Rules (Utah Administrative Code Section R33), and related statutes which permit the State to purchase certain specified services, and other approved purchases for the State.
2. **CONTRACT JURISDICTION, CHOICE OF LAW, AND VENUE:** The provisions of this contract shall be governed by the laws of the State of Utah. The parties will submit to the jurisdiction of the courts of the State of Utah for any dispute arising out of this Contract or the breach thereof. Venue shall be in Salt Lake City, in the Third Judicial District Court for Salt Lake County.
3. **LAWS AND REGULATIONS:** Any and all supplies, services and equipment furnished will comply fully with all applicable Federal and State laws and regulations.
4. **RECORDS ADMINISTRATION:** The Contractor shall maintain, or supervise the maintenance of all records necessary to properly account for the payments made to the Contractor for costs authorized by this contract. These records shall be retained by the Contractor for at least four years after the contract terminates, or until all audits initiated within the four years, have been completed, whichever is later. The Contractor agrees to allow State and Federal auditors, and State Agency Staff, access to all the records to this contract, for audit and inspection, and monitoring of services. Such access will be during normal business hours, or by appointment.
5. **CONFLICT OF INTEREST:** Contractor represents that none of its officers or employees are officers or employees of the State of Utah, unless disclosure has been made in accordance with 67-16-8, Utah Code Annotated, 1953, as amended.
6. **CONTRACTOR, AN INDEPENDENT CONTRACTOR:** The Contractor shall be an independent contractor, and as such, shall have no authorization, express or implied, to bind the State to any agreements, settlements, liability, or understanding whatsoever, and agrees not to perform any acts as agent for the State, except as herein expressly set forth. Compensation stated herein shall be the total amount payable to the Contractor by the State. The Contractor shall be responsible for the payment of all income tax and social security amounts due as a result of payments received from the State for these contract services. Persons employed by the State and acting under the direction of the State shall not be deemed to be employees or agents of the Contractor.
7. **INDEMNITY CLAUSE:** The Contractor agrees to indemnify, save harmless, and release the State OF UTAH, and all its officers, agents, volunteers, and employees from and against any and all loss, damages, injury, liability, suits, and proceedings arising out of the performance of this contract which are caused in whole or in part by the negligence of the Contractor's officers, agents, volunteers, or employees, but not for claims arising from the State's sole negligence.
8. **EQUAL OPPORTUNITY CLAUSE:** The Contractor agrees to abide by the provisions of Title VI and VII of the Civil Rights Act of 1964 (42 USC 2000e) which prohibits discrimination against any employee or applicant for employment or any applicant or recipient of services, on the basis of race, religion, color, or national origin; and further agrees to abide by Executive Order No. 11246, as amended, which prohibits discrimination on the basis of sex; 45 CFR 90 which prohibits discrimination on the basis of age; and Section 504 of the Rehabilitation Act of 1973, or the Americans with Disabilities Act of 1990 which prohibits discrimination on the basis of disabilities. Also, the Contractor agrees to abide by Utah's Executive Order, dated March 17, 1993, which prohibits sexual harassment in the work place.
9. **SEPARABILITY CLAUSE:** A declaration by any court, or any other binding legal source, that any provision of this contract is illegal and void shall not affect the legality and enforceability of any other provision of this contract, unless the provisions are mutually dependent.
10. **RENEGOTIATION OR MODIFICATIONS:** This contract may be amended, modified, or supplemented only by written amendment to the contract, executed by the same persons or by persons holding the same position as persons who signed the original agreement on behalf of the parties hereto, and attached to the original signed copy of the contract.
11. **DEBARMENT:** The Contractor certifies that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction (contract), by any governmental department or agency. If the Contractor cannot certify this statement, attach a written explanation for review by the State. The Contractor must notify the State Director of Purchasing within 30 days if debarred by any governmental entity during the Contract period.
12. **TERMINATION:** Unless otherwise stated in the Special Terms and Conditions, this contract may be terminated, with cause by either party, in advance of the specified termination date, upon written notice being given by the other party. The party in violation will be given ten (10) working days after notification to correct and cease the violations, after which the contract may be terminated for cause. This contract may be terminated without cause, in advance of the specified expiration date, by either party, upon 90 days prior written notice being given the other party. On termination of this contract, all accounts and payments will be processed according to the financial arrangements set forth herein for approved services rendered to date of termination.
13. **NONAPPROPRIATION OF FUNDS:** The Contractor acknowledges that the State cannot contract for the payment of funds not yet appropriated by the Utah State Legislature. If funding to the State is reduced due to an order by the Legislature or the Governor, or is required by State law, or if federal funding (when applicable) is not provided, the State may terminate this contract or proportionately reduce the services and purchase obligations and the amount due from the State upon 30 days written notice. In the case that funds are not appropriated or are reduced, the State will reimburse Contractor for products delivered or services performed through the date of cancellation or reduction, and the State will not be liable for any future commitments, penalties, or liquidated damages.
14. **SALES TAX EXEMPTION:** The State of Utah's sales and use tax exemption number is E33399. The tangible personal property or services being purchased are being paid from State funds and used in the exercise of that entity's essential functions. If the items being purchased are construction materials, they will be converted into real property by employees of this government entity, unless otherwise stated in the contract.
15. **WARRANTY:** The contractor agrees to warrant and assume responsibility for all products (including hardware, firmware, and/or software products) that it licenses, contracts, or sells to the State of Utah under this contract for a period of one year, unless otherwise specified and mutually agreed upon elsewhere in this contract. The contractor (seller) acknowledges that all warranties granted to the buyer by the Uniform Commercial Code of the State of Utah apply to this contract. Product liability disclaimers and/or warranty disclaimers from the seller are not applicable to this contract unless otherwise

specified and mutually agreed upon elsewhere in this contract. In general, the contractor warrants that: (1) the product will do what the salesperson said it would do, (2) the product will live up to all specific claims that the manufacturer makes in their advertisements, (3) the product will be suitable for the ordinary purposes for which such product is used, (4) the product will be suitable for any special purposes that the State has relied on the contractor's skill or judgment to consider when it advised the State about the product, (5) the product has been properly designed and manufactured, and (6) the product is free of significant defects or unusual problems about which the State has not been warned. Remedies available to the State include the following: The contractor will repair or replace (at no charge to the State) the product whose nonconformance is discovered and made known to the contractor in writing. If the repaired and/or replaced product proves to be inadequate, or fails of its essential purpose, the contractor will refund the full amount of any payments that have been made. Nothing in this warranty will be construed to limit any rights or remedies the State of Utah may otherwise have under this contract.

- 16. PUBLIC INFORMATION:** Contractor agrees that the contract will be a public document, and may be available for distribution. and Contractor gives the State express permission to make copies of the contract and/or of the response to the solicitation in accordance with the State of Utah Government Records Access and Management Act. The permission to make copies as noted will take precedence over any statements of confidentiality, proprietary information, copyright information, or similar notation.
- 17. DELIVERY:** Unless otherwise specified in this contract, all deliveries will be F.O.B. destination with all transportation and handling charges paid by the Contractor. Responsibility and liability for loss or damage will remain with Contractor until final inspection and acceptance when responsibility will pass to the State except as to latent defects, fraud and Contractor's warranty obligations.
- 18. ORDERING AND INVOICING:** All orders will be shipped promptly in accordance with the delivery schedule. The Contractor will promptly submit invoices (within 30 days of shipment or delivery of services) to the State. The State contract number and/or the agency purchase order number shall be listed on all invoices, freight tickets, and correspondence relating to the contract order. The prices paid by the State will be those prices listed in the contract. The State has the right to adjust or return any invoice reflecting incorrect pricing.
- 19. PAYMENT:** Payments are normally made within 30 days following the date the order is delivered or the date a correct invoice is received, whichever is later. All payments to the Contractor will be remitted by mail unless paid by the State of Utah's Purchasing Card.
- 20. PATENTS, COPYRIGHTS, ETC.:** The Contractor will release, indemnify and hold the State, its officers, agents and employees harmless from liability of any kind or nature, including the Contractor's use of any copyrighted or un-copyrighted composition, secret process, patented or un-patented invention, article or appliance furnished or used in the performance of this contract.
- 21. ASSIGNMENT/SUBCONTRACT:** Contractor will not assign, sell, transfer, subcontract or sublet rights, or delegate responsibilities under this contract, in whole or in part, without the prior written approval of the State.
- 22. DEFAULT AND REMEDIES:** Any of the following events will constitute cause for the State to declare Contractor in default of the contract: 1. Nonperformance of contractual requirements; 2. A material breach of any term or condition of this contract. The State will issue a written notice of default providing a ten (10) day period in which Contractor will have an opportunity to cure. Time allowed for cure will not diminish or eliminate Contractor's liability for damages. If the default remains, after Contractor has been provided the opportunity to cure, the State may do one or more of the following: 1. Exercise any remedy provided by law; 2. Terminate this contract and any related contracts or portions thereof; 3. Impose liquidated damages, if liquidated damages are listed in the contract; 4. Suspend Contractor from receiving future solicitations.
- 23. FORCE MAJEURE:** Neither party to this contract will be held responsible for delay or default caused by fire, riot, acts of God and/or war which is beyond that party's reasonable control. The State may terminate this contract after determining such delay or default will reasonably prevent successful performance of the contract.
- 24. PROCUREMENT ETHICS:** The Contractor understands that a person who is interested in any way in the sale of any supplies, services, construction, or insurance to the State of Utah is violating the law if the person gives or offers to give any compensation, gratuity, contribution, loan or reward, or any promise thereof to any person acting as a procurement officer on behalf of the State, or who in any official capacity participates in the procurement of such supplies, services, construction, or insurance, whether it is given for their own use or for the use or benefit of any other person or organization (63-56-73, Utah Code Annotated, 1953, as amended).
- 25. CONFLICT OF TERMS:** Contractor Terms and Conditions that apply must be in writing and attached to the contract. No other Terms and Conditions will apply to this contract including terms listed or referenced on a Contractor's website, terms listed in a Contractor quotation/sales order, etc. In the event of any conflict in the contract terms and conditions, the order of precedence shall be: 1. State Standard Terms and Conditions; 2. State Special Terms and Conditions; 3. Contractor Terms and Conditions.

(Revision date: Nov 21, 2003)

ASPHALT MATERIALS

THE FOLLOWING ASPHALT MATERIAL SHALL BE QUOTED FOB POINT OF MANUFACTURE. INDICATE ADDRESS OF LOADING POINT FOR UDOT DISTRIBUTORS AND TANKERS TO LOAD MATERIAL_____.

45 TONS	SC ASPHALT MATERIAL, VARIOUS GRADES
145 TONS	MC ASPHALT MATERIAL, VARIOUS GRADES
335 TONS	SS OR CSS EMULSIFIED ASPHALT MATERIAL, VARIOUS GRADES
705 TONS	CRS2A OR CRS2B EMULSIFIED ASPHALT MATERIAL, VAR. GRADES
25 TONS	LMCRS-2A ASPHALT MATERIAL
560 TONS	ASPHALT, REJUVENATION - TYPE B - MODIFIED
525 TONS	ASPHALT, REJUVENATION - TYPE C
25 TONS	ASPHALT REJUVENATION - TYPE D
25 TONS	HIGH FLOAT EMULSION, VARIOUS GRADES
1 LOT	THE FOLLOWING ASPHALT MATERIAL SHALL BE QUOTED FOB DELIVERED TO ZONES AS SHOWN ON THE ATTACHED ASPHALT BID.

**ASPHALT MATERIAL
F.O.B. DESTINATION
ZONE PRICE LIST**

This bid requires the vendor to give the State two (2) hrs. free unloading. Failure to bid as requested, could possibly cause the vendor to not be considered for award.

UDOT SPREAD Under this situation, the vendor supplies material and freight and the Department takes possession of the product and spreads. In this situation tax is not paid because the State is tax exempt.

The zones in each District/Region are designated on attached map as follows:

REGION 1	ZONES 1A THRU 1H
REGION 2	ZONES 2A THRU 2D
REGION 3	ZONES 6A THRU 6G
PRICE DISTRICT	ZONES 4A THRU 4F
RICHFIELD DISTRICT	ZONES 3A THRU 3J
CEDAR CITY DISTRICT	ZONES 5A THRU 5F

TABLE OF CONTENTS

BID SUMMARY SHEETS (4 PAGES)

UTAH MAP SHOWING LIQUID ASPHALT ZONES TO BE USED TO FIGURE FREIGHT

ATTACHMENT A - STANDARD TERMS AND CONDITIONS

ATTACHMENT C - SPECIAL TERMS AND CONDITIONS

TECHNICAL SPECIFICATIONS

ATTACHMENT D - BID SHEETS (ITEMIZED PRICE LISTS)

**UTAH DEPARTMENT OF TRANSPORTATION
MAINTENANCE DIVISION
ASPHALT MATERIAL**

SUMMARY SPECIFICATIONS

ALL ASPHALT MATERIAL SHALL COMPLY TO THE FOLLOWING SPECIFICATIONS.

THE FOLLOWING IS A SUMMARY OF ASPHALT MATERIAL WHICH IS TO BE QUOTED FOB DELIVERED TO ZONES AS SHOWN ON THE ATTACHED ASPHALT BID SHEETS.

1. 650 TONS SC ASPHALT MATERIAL, VARIOUS GRADES
2. 270 TONS MC ASPHALT MATERIAL, VARIOUS GRADES
3. 3215 TONS SS OR CSS, EMULSIFIED ASPHALT MATERIAL, VARIOUS GRADES
4. 8,900 TONS CRS-2A, CRS-2B SEAL COAT EMULSIFIED ASPHALT MATERIAL, VARIOUS GRADES
5. 3,900 TONS LMCRS-2A MATERIAL, VARIOUS GRADES
6. 0 TONS ASPHALT REJUVENATOR - TYPE B
7. 177 TONS ASPHALT REJUVENATOR - TYPE B, MODIFIED
8. 1,800 TONS ASPHALT REJUVENATOR - TYPE C
9. 600 TONS ASPHALT REJUVENATOR - TYPE D
10. 3,050 TONS HIGH FLOAT EMULSION, VARIOUS GRADES

NO STRIP ADDITIVE TO BE QUOTED BY _____ PERCENTAGE PER TON OF ASPHALT MATERIAL. (BIDDER MUST SPECIFY BRAND AND TYPE OF ADDITIVE TO BE USED.) SEE ZONE BID FOR PRICE PER TON. THE ASPHALT MATERIAL IN THIS REQUEST IS FOR BIDDING ONLY. THE FOLLOWING DISTRIBUTION OF ASPHALT MATERIAL QUANTITIES IS FOR INFORMATION ONLY AND IS NOT INTENDED TO IMPLY AGREED QUANTITIES. ACTUAL QUANTITIES NEEDED WILL DEPEND ON VOLUME OF WORK REQUIRED DUE TO ROAD SURFACE CONDITIONS AND FUNDING LIMITATIONS.

LIQUID ASPHALT	REGIONS & DISTRICTS					
	1	2	3	PRICE	RICHFIELD	CEDAR
SC	50	0	100	0	500	0
MC	100	0	20	50	100	0
SS OR CSS EMULSION	500	0	600	650	1200	265
CRS-2A, CRS-2B OR RS-2A, RS-2B	500	0	500	0	4000	3900
LMCRS-2A	1000	0	1400	0	0	400
CRS-2R	800	0	0	0	0	0
ASPHALT REJUVENATOR TYPE B	0	0	0	0	0	0
ASPHALT REJUVENATOR TYPE B (Modified)	1000	0	0	575	200	0
ASPHALT REJUVENATOR TYPE C	200	0	100	0	50	1450
ASPHALT REJUVENATOR TYPE D	200	0	200	0	0	200
HFE, VARIOUS GRADES	0	0	0	3050	0	0

THE ABOVE QUANTITIES ARE ESTIMATES FOR EACH YEAR OF THE NEXT ONE YEAR UNLESS OTHERWISE NOTIFIED.

ASPHALT MATERIAL DELIVERED BELOW THE REQUIRED TEMPERATURE SHALL BE REHEATED BY SUPPLIER OR REJECTED. ASPHALT MATERIAL DELIVERED ABOVE THE REQUIRED TEMPERATURE MAY BE ACCEPTED IF ALLOWED TO COOL TO THE MAXIMUM SPECIFIED TEMPERATURE PROVIDED OVERHEATING DOES NOT CAUSE COMPLIANCE PROBLEMS TO OTHER SPECIFICATIONS. COOLING SHALL BE ACCOMPLISHED WITH THE HATCHES CLOSED TO PREVENT THE LOSS OF DILUENTS.

THE SUPPLIER SHALL SUBMIT WITH THEIR BID THEIR METHOD TO REHEAT THE MATERIAL, IF IT IS BELOW THE MINIMUM REQUIRED TEMPERATURE. THE EVENT THE LOW BIDDER DOES NOT SUPPLY, AS SPECIFIED IN THE AGREEMENT, THE STATE RESERVES THE RIGHT TO OBTAIN MATERIAL FROM THE NEXT LOW BIDDER.

SOME EMULSIFIED ASPHALT SHALL BE BID PER TON DELIVERED IN CONCENTRATED FORM, DILUTED ONE (1) PART EMULSION TO ONE (1) PART WATER AND TWO (2) PARTS EMULSION FOR ONE (1) PART WATER. SEE ZONE SHEETS FOR THESE EMULSIONS.

FOR QUESTIONS OR INFORMATION CALL DEBRA BOULTON AT 965-4070.

**UTAH DEPARTMENT OF TRANSPORTATION
MAINTENANCE DIVISION**

ORDERS AND DELIVERIES

Asphalt Material shall be ordered by and delivered to the following:

REGION ONE

166 North Southwell Street
Ogden, Utah 84404
Phone: (801) 620-1600

REGION TWO

2010 South 2760 West
Salt Lake City, Utah 84104
Phone: (801) 975-4900

REGION THREE

658 North 1500 West
Orem, Utah 84057
Phone: (801) 227-8000

RICHFIELD DISTRICT

708 SOUTH 100 WEST
RICHFIELD, Utah 84701
Phone: (435) 896-1399

PRICE DISTRICT

940 South Carbon Ave.
Price, Utah 84501-0903
Phone: (435) 637-1470

CEDAR CITY DISTRICT

1470 North Airport Road
Cedar City, Utah 84721-1009
Phone: (435) 865-5500

**UTAH DEPARTMENT OF TRANSPORTATION
MAINTENANCE DIVISION**

INVOICE ADDRESSES

Asphalt Material to be invoiced to the Regions as follows:

REGION ONE

166 North Southwell Street
Ogden, Utah 84404 (801) 620-1600

REGION TWO

2010 South 2760 West
Salt Lake City, Utah 84104 (801) 975-4900

REGION THREE

658 North 1500 West
Orem, Utah 84057 (801) 227-8000

Richfield District, Price District and Cedar City District have been combined into a Southern Region. All invoices for these Districts shall be invoiced as follows:

REGION FOUR

1345 South 350 West
Richfield, Utah 84701
(435) 893-4799

SECTION 02745P

ASPHALT MATERIAL

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Asphalt materials

1.2 PAYMENT PROCEDURES

- A. Price adjustments for asphalt cement and liquid asphalt (chip-seal emulsions and/or cut-backs):
 - 1. Standard department procedures governs price adjustments made where asphalt material does not conform to the specifications
 - a. If the price adjustment exceeds 30 percent, the Engineer may order the removal of any or all the defective asphalt material.
 - b. The pay factor for such material is 0.50 when allowed to remain in place.
- B. Price adjustments for Performance Graded Asphalt Binder (PGAB):
 - 1. Standard department PGAB management plan governs price reductions or removal of material where the binder does not conform to the specifications.

1.3 REFERENCES

- A. AASHTO M 81: Cut-Back Asphalt (Rapid-Curing Type)
- B. AASHTO M 82: Cut-Back Asphalt (Medium-Curing Type)
- C. AASHTO M 140: Emulsified Asphalt
- D. AASHTO M 208: Cationic Emulsified Asphalt
- E. AASHTO M 226: Viscosity Graded Asphalt Cement
- F. AASHTO M 320: Performance Graded Asphalt Cement
- G. AASHTO R 28: Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel (PAV).
- H. AASHTO T 44: Solubility of Bituminous Materials

- I. AASHTO T 48: Flash and Fire Points by Cleveland Open Cup
- J. AASHTO T 49: Penetration of Bituminous Materials
- K. AASHTO T 50: Float Test for Bituminous Materials
- L. AASHTO T 51: Ductility of Bituminous Materials
- M. AASHTO T 59: Testing Emulsified Asphalt
- N. AASHTO T 201: Kinematic Viscosity of Asphalts
- O. AASHTO T 228: Specific Gravity of Semi-Solid Bituminous Materials
- P. AASHTO T 240: Effect of Heat and Air on a Moving Film of Asphalt (Rolling Thin-Film Oven Test)
- Q. AASHTO T 300: Force Ductility of Bituminous Materials
- R. AASHTO T 301: Elastic Recovery Test of Bituminous Materials by Means of a Ductilometer
- S. AASHTO T 313: Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)
- T. AASHTO T 314: Determining the Fracture Properties of Asphalt Binder in Direct Tension
- U. AASHTO T 315: Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR).
- V. AASHTO T 316: Viscosity Determination of Asphalt Binder Using Rotational Viscometer.
- W. ASTM D 92: Flash and Fire Points by Cleveland Open Cup
- X. ASTM D 1190: Concrete Joint Sealer, Hot-Applied Elastic Type
- Y. ASTM D 2007: Characteristic Groups in Rubber Extender and Processing Oils and Other Petroleum-Derived Oils by the Clay-Gel Absorption Chromatographic Method
- Z. ASTM D 2026: Cutback Asphalt (Slow-Curing Type)
- AA. ASTM D 3405: Joint Sealants, Hot-Applied, for Concrete and Asphalt Pavements
- BB. ASTM D 4402: Viscosity Determinations of Unfilled Asphalts Using the Brookfield

Thermoset Apparatus

- CC. ASTM D 5329: Sealants and Fillers, Hot-Applied, For Joints and Cracks in Asphaltic and Portland Cement Concrete Pavements
- DD. ASTM D 5801: Toughness and Tenacity of Bituminous Materials
- EE. California Test Methods
- FF. UDOT Materials Manual of Instruction
- GG. UDOT Minimum Sampling and Testing Guide
- HH. UDOT Asphalt Binder Quality Management Plan

1.4 SUBMITTALS

- A. For each shipment of material, supply a vendor-prepared bill of lading showing the following information:
 - 1. Type and grade of material
 - 2. Type and amount of additives, used, if applicable
 - 3. Destination
 - 4. Consignee's name
 - 5. Date of Shipment
 - 6. Railroad car or truck identification
 - 7. Project number
 - 8. Loading temperature
 - 9. Net weight in tons (or net gallons corrected to 60 degrees F, when requested)
 - 10. Specific gravity
 - 11. Bill of lading number
 - 12. Manufacturer of asphalt material

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Each shipment of asphalt material must:
 - 1. Be uniform in appearance and consistency.
 - 2. Show no foaming when heated to the specified loading temperature.
- B. Do not supply shipments contaminated with other asphalt types or grades than those specified.

1.6 GRADE OF MATERIAL

- A. The Engineer determines the grade of material to be used based on the supply source designated by the Contractor when the bid proposal lists more than one grade of asphalt material.

PART 2 PRODUCTS

2.1 PERFORMANCE GRADED ASPHALT BINDER (PGAB)

- A. Supply PGABs under the Approved Supplier Certification (ASC) System. Refer to the UDOT Minimum Sampling and Testing Guide, Section 509, Asphalt Binder Management Plan.
- B. As specified in AASHTO M 320 for all PGABs having algebraic differences less than 92 degrees between the high and low design temperatures.
- C. As specified in Tables 1, 2, 3, 4, 5, 6, 7, and 8 for all PGABs having algebraic differences equal to or greater than 92 degrees between the high and low design temperatures.

Table 1
PG58-34

Original Binder		
Dynamic Shear Rheometer, AASHTO T 315	@58/C, G*, kPa	1.30 Min.
	@58/C, phase angle, degrees	74.0 Max.
Rotational Viscometer, AASHTO T 316	@135/C, Pa.s	3 Max.
Flash Point, AASHTO T 48	/C	260 Min.
RTFO Residue, AASHTO T 240		
Dynamic Shear Rheometer, AASHTO T 315	@5/C, G*/sinδ, kPa	2.20 Min.
Elastic Recovery, AASHTO T 301 mod ¹	%	65 Min.
PAV Residue, 20 hours, 2.10 Mpa, 100 /C, AASHTO R 28		
Dynamic Shear Rheometer, AASHTO T 315	@16/C, kPa	5000 Max.
Bending Beam Rheometer, AASHTO T 313	@-24/C, S, MPa	300 Max.
	@-24/C, m-value	0.300 Min.
Direct Tension Test, AASHTO T 314	@-24/C, Failure Strain, %	1.5 Min.
	@-24/C, Failure Stress ² , MPa	4.0 Min.

¹Modify paragraph 4.5 as follows: After 20 cm has been reached, stop the ductilometer and within 2 seconds, sever the specimen at its center with a pair of scissor...

²No allowances will be given for passing at a colder grade

Table 2
PG64-28

Original Binder		
Dynamic Shear Rheometer, AASHTO T 315	@64/C, G*, kPa	1.30 Min.
	@64/C, phase angle, degrees	74.0 Max.
Rotational Viscometer, AASHTO T 316	@135/C, Pa.s	3 Max.
Flash Point, AASHTO T 48	/C	260 Min.
RTFO Residue, AASHTO T 240		
Dynamic Shear Rheometer, AASHTO T 315	@64/C, G*/sinδ kPa	2.20 Min.
Elastic Recovery, AASHTO T 301 mod ¹	%	65 Min.
PAV Residue, 20 hours, 2.10 Mpa, 100 /C, AASHTO R 28		
Dynamic Shear Rheometer, AASHTO T 315	@22/C, kPa	5000 Max.
Bending Beam Rheometer, AASHTO T 313	@-18/C, S, MPa	300 Max.
	@-18/C, m-value	0.300 Min.
Direct Tension Test, AASHTO T 314	@-18/C, Failure Strain, %	1.5 Min.
	@-18/C, Failure Stress ² , MPa	4.0 Min.

¹Modify paragraph 4.5 as follows: After 20 cm has been reached, stop the ductilometer and within 2 seconds, sever the specimen at its center with a pair of scissors...

² No allowances will be given for passing at a colder grade

Table 3
PG64-34

Original Binder		
Dynamic Shear Rheometer, AASHTO T 315	@64/C, G*, kPa	1.30 Min.
	@64/C, phase angle, degrees	71.0 Max.
Rotational Viscometer, AASHTO T 316	@135/C, Pa.s	3 Max.
Flash Point, AASHTO T 48	/C	260 Min.
RTFO Residue, AASHTO T-240		
Dynamic Shear Rheometer, AASHTO T 315	@64/C, G*/sinδ, kPa	2.20 Min.
Elastic Recovery, AASHTO T 301 mod ¹	%	70 Min.
PAV Residue, 20 hours, 2.10 Mpa, 100 /C, AASHTO R 28		
Dynamic Shear Rheometer, AASHTO T 315	@19/C, kPa	5000 Max.
Bending Beam Rheometer, AASHTO T 313	@-24/C, S, MPa	300 Max.
	@-24/C, m-value	0.300 Min.
Direct Tension Test, AASHTO T 314	@-24/C, Failure Strain, %	1.5 Min.
	@-24/C, Failure Stress ² , MPa	4.0 Min.

¹Modify paragraph 4.5 as follows: After 20 cm has been reached, stop the ductilometer and within 2 seconds, sever the specimen at its center with a pair of scissors...

²No allowances will be given for passing at a colder grade

Table 4
PG70-22

Original Binder		
Dynamic Shear Rheometer, AASHTO T 315	@70/C, G*, kPa	1.30 Min.
	@70/C, phase angle, degrees	74.0 Max.
Rotational Viscometer, AASHTO T 316	@135/C, Pa.s	3 Max.
Flash Point, AASHTO T 48	/C	260 Min.
RTFO Residue, AASHTO T 240		
Dynamic Shear Rheometer, AASHTO T 315	@70/C, G*/sinδ, kPa	2.20 Min.
Elastic Recovery, AASHTO T 301 mod ¹	%	65 Min.
PAV Residue, 20 hours, 2.10 Mpa, 100 /C, AASHTO R 28		
Dynamic Shear Rheometer, AASHTO T 315	@28/C, kPa	5000 Max.
Bending Beam Rheometer, AASHTO T 313	@-12/C, S, MPa	300 Max.
	@-12/C, m-value	0.300 Min.
Direct Tension Test, AASHTO T 314	@-12/C, Failure Strain, %	1.5 Min.
	@-12/C, Failure Stress ² , MPa	4.0 Min.

¹Modify paragraph 4.5 as follows: After 20 cm has been reached, stop the ductilometer and within 2 seconds, sever the specimen at its center with a pair of scissors...

²No allowances will be given for passing at a colder grade

Table 5
PG70-28

Original Binder		
Dynamic Shear Rheometer, AASHTO T 315	@70/C, G*, kPa	1.30 Min.
	@70/C, phase angle, degrees	71.0 Max.
Rotational Viscometer, AASHTO T 316	@135/C, Pa.s	3 Max.
Flash Point, AASHTO T 48	/C	260 Min.
RTFO Residue, AASHTO T 240		
Dynamic Shear Rheometer, AASHTO T 315	@70/C, G*/sinδ kPa	2.20 Min.
Elastic Recovery, AASHTO T 301 mod ¹	%	70 Min.
PAV Residue, 20 hours, 2.10 Mpa, 100 /C, AASHTO R 28		
Dynamic Shear Rheometer, AASHTO T 315	@25/C, kPa	5000 Max.
Bending Beam Rheometer, AASHTO T 313	@-18/C, S, MPa	300 Max.
	@-18/C, m-value	0.300 Min.
Direct Tension Test, AASHTO T 314	@-18/C, Failure Strain, %	1.5 Min.
	@-18/C, Failure Stress ² , MPa	4.0 Min.

¹Modify paragraph 4.5 as follows: After 20 cm has been reached, stop the ductilometer and within 2 seconds, sever the specimen at its center with a pair of scissors...

² No allowances will be given for passing at a colder grade

Table 6
PG70-34

Original Binder		
Dynamic Shear Rheometer, AASHTO T 315	@70/C, G*, kPa	1.30 Min.
	@70/C, phase angle, degrees	71.0 Max.
Rotational Viscometer, AASHTO T 316	@135 /C, Pa.s	3 Max.
Flash Point, AASHTO T 48	/C	260 Min.
RTFO Residue, AASHTO T 240		
Dynamic Shear Rheometer, AASHTO T 315	@70/C, G*/sinδ kPa	2.20 Min.
Elastic Recovery, AASHTO T 301 mod ¹	%	75 Min.
PAV Residue, 20 hours, 2.10 Mpa, 100 /C, AASHTO R 28		
Dynamic Shear Rheometer, AASHTO T 315	@22/C, kPa	5000 Max.
Bending Beam Rheometer, AASHTO T 313	@-24/C, S, MPa	300 Max .
	@-24/C, m-value	0.300 Min.
Direct Tension Test, AASHTO T 314	@-24/C, Failure Strain, %	1.5 Min.
	@-24/C, Failure Stress ² , MPa	4.0 Min.

¹Modify paragraph 4.5 as follows: After 20 cm has been reached, stop the ductilometer and within 2 seconds, sever the specimen at its center with a pair of scissors...

² No allowances will be given for passing at a colder grade

Table 7
PG76-22

<u>Original Binder</u>		
Dynamic Shear Rheometer, AASHTO T 315	@76/C, G*, kPa	1.30 Min.
	@76/C, phase angle, degrees	71.0 Max.
Rotational Viscometer, AASHTO T 316	@135/C, Pa.s	3 Max.
Flash Point, AASHTO T 48	/C	260 Min.
RTFO Residue, AASHTO T 240		
Dynamic Shear Rheometer, AASHTO T 315	@76/C, G*/sinδ, kPa	2.20 Min.
Elastic Recovery, AASHTO T 301 mod ¹	%	70 Min.
PAV Residue, 20 hours, 2.10 Mpa, 100 /C, AASHTO R 28		
Dynamic Shear Rheometer, AASHTO T 315	@ 31/C, kPa	5000 Max.
Bending Beam Rheometer, AASHTO T 313	@-12/C, S, MPa	300 Max.
	@-12/C, m-value	0.300 Min.
Direct Tension Test, AASHTO T 314	@-12/C, Failure Strain, %	1.5 Min.
	@-12/C, Failure Stress ² , MPa	4.0 Min.

¹Modify paragraph 4.5 as follows: After 20 cm has been reached, stop the ductilometer and within 2 seconds, sever the specimen at its center with a pair of scissors...

² No allowances will be given for passing at a colder grade

Table 8
PG76-28

<u>Original Binder</u>		
Dynamic Shear Rheometer, AASHTO T 315	@76/C, G*, kPa	1.30 Min.
	@76/C, phase angle, degrees	71. 0 Max.
Rotational Viscometer, AASHTO T 316	@135/C, Pa.s	3 Max.
Flash Point, AASHTO T 48	/C	260 Min.
RTFO Residue, AASHTO T 240		
Dynamic Shear Rheometer, AASHTO T 315	@76/C, G*/sinδ, kPa	2.20 Min.
Elastic Recovery, AASHTO T 301 mod ¹	%	75 Min.
PAV Residue, 20 hours, 2.10 Mpa, 100 /C, AASHTO R 28		
Dynamic Shear Rheometer, AASHTO T 315	@28/C, kPa	5000 Max.
Bending Beam Rheometer, AASHTO T 313	@-18/C, S, MPa	300 Max.
	@-18/C, m-value	0.300 Min.
Direct Tension Test, AASHTO T 314	@-18/C, Failure Strain, %	1.5 Min.
	@-18/C, Failure Stress ² , MPa	4.0 Min.

¹Modify paragraph 4.5 as follows: After 20 cm has been reached, stop the ductilometer and within 2 seconds, sever the specimen at its center with a pair of scissors...

² No allowances will be given for passing at a colder grade

2.2 ASPHALTIC CEMENT, LIQUID ASPHALTS, REJUVENATING AGENTS

- A. As specified in AASHTO M 226, Table 2 with the following modifications:
1. Delete and replace ductility at 77EF (25EC) with ductility at 39.2EF (4EC) with values as detailed below.

<u>AC - 2.5</u>	<u>AC - 5</u>	<u>AC - 10</u>	<u>AC - 20</u>
50+	25+	15+	5+

- B. As specified for cationic and anionic emulsified asphalt.
1. All standard Slow Setting (SS, CSS), Medium Setting (MS, CMS), and Rapid Setting (RS, CRS) grades; inclusive of all High-Float designations (HF).
 2. Supply under the Approved Supplier Certification System (ASC).
 3. Meet AASHTO M 208 and M 140.
- C. Conform to the requirements of one of these tables:
1. Table 9: Cationic Rapid Setting Emulsified Polymerized Asphalt (CRS-2P)
 2. Table 10: Latex Modified Cationic Rapid Setting Emulsified Asphalt (LMCRS-2)
 3. Table 11: Cationic Medium Setting Emulsified Asphalt (CMS-2S)
 4. Table 12: High Float Medium Setting Emulsified Asphalt (HFMS-2)
 5. Table 13: High Float Medium Setting Emulsified Polymerized Asphalt (HFMS-2P)
 6. Table 14: High Float Rapid Setting Emulsified Polymerized Asphalt (HFRS-2P)
 7. Table 15: Cationic Rapid Setting Emulsified Asphalt (CRS-2A, B)
- D. Curing cut-back asphalt:
1. As specified for slow curing (SC) in ASTM D 2026.
 2. As specified for medium curing (MC) in AASHTO M 82.
 3. As specified for rapid curing (RC) in AASHTO M 81.
- E. Conform to requirements for Emulsified Asphalt Pavement Rejuvenating Agent:
1. Table 16: Type B
 2. Table 17: Type B Modified
 3. Table 18: Type C
 4. Table 19: Type D

Table 9

Cationic Rapid Setting Emulsified Polymerized Asphalt (CRS-2P)			
Tests	AASHTO Test Method	Min.	Max.
Emulsion			
Viscosity , SF, 140EF (60EC), s (Project-site Acceptance/Rejection Limits)	T 59	100	400
Settlement (a) 5 days, percent	T 59		5
Storage Stability Test (b) 1 d, 24 h, percent	T 59		
Demulsibility (c) 35 ml, 0.8% sodium dioctyl Sulfosuccinate, percent	T 59	40	
Particle Charge Test	T 59	Positive	
Sieve Test, percent	T 59		0.10
Distillation			
Oil distillate, by volume of emulsion, percent			0
Residue (d), percent		68	
Residue from Distillation Test			
Penetration, 77EF(25EC), 100 g, 5 s, dmm	T 49	80	150
Ductility, 39.2EF(4EC), 5 cm/min, cm	T 51	35	
Toughness, lb-in	ASTM D 5801	75	
Tenacity, lb-in	ASTM D 5801	50	
Solubility in trichloroethylene, percent	T 44	97.5	
<p>(a) The test requirement for settlement may be waived when the emulsified asphalt is used in less than a five-day time; or the purchaser may require that the settlement test be run from the time the sample is received until it is used, if the elapsed time is less than 5 days.</p> <p>(b) The 24-hour (1-day) storage stability test may be used instead of the five-day settlement test.</p> <p>(c) The demulsibility test is made within 30 days from date of shipment.</p> <p>(d) Distillation is determined by AASHTO T 59, with modifications to include a 350 ± 5 EF ($177 \pm 3^\circ\text{C}$) maximum temperature to be held for 15 minutes.</p> <p>Modify the asphalt cement prior to emulsification.</p>			

Table 10

Latex Modified Cationic Rapid Setting Emulsified Asphalt (LMCRS-2)			
Tests	AASHTO Test Method	Min.	Max.
Emulsion			
Viscosity, SF, 122EF (50EC), s— (Project Site Acceptance/Rejection Limits)	T59	100	400
Settlement (a) 5 days, percent	T 59		5
Storage Stability Test (b) 1 d, 24 h, percent	T 59		1
Demulsibility (c) 35 ml, 0.8% sodium dioctyl Sulfosuccinate, percent	T 59	40	
Particle Charge Test	T 59	Positive	
Sieve Test, percent	T 59		0.3
Distillation			
Oil distillate, by volume of emulsion, percent			0
Residue (d), percent		65	
Residue from Distillation Test			
Penetration, 77EF (25EC), 100 g, 5 s, dmm	T 49	40	200
Torsional Recovery (e)		18	
<p>(a) The test requirement for settlement may be waived when the emulsified asphalt is used in less than a five-day time; or the purchaser may require that the settlement test be run from the time the sample is received until it is used, if the elapsed time is less than 5 days.</p> <p>(b) May use the 24-hour (1-day) storage stability test instead of the five-day settlement test.</p> <p>(c) Make the demulsibility test within 30 days from date of shipment.</p> <p>(d) Determine distillation by AASHTO T 59, with modifications to include a 350 ± 5EF (177±3EC) maximum temperature to be held for 15 minutes.</p> <p>(e) CA 332 (California Test Method)</p>			
Co-mill latex and asphalt during emulsification			

Table 11

Cationic Medium Setting Emulsified Asphalt (CMS-2S)		
Tests	AASHTO Test Method	Specification
Emulsion		
Viscosity, SF, 122EF (50EC), s	T 59	50 - 450
Percent residue	T 59	60 min
One-day storage stability, percent	T 59	1 max
Sieve, percent	T 59	0.10 max
Particle charge	T 59	Positive
Oil Distillate, percent by volume of emulsion	T 59	5-15
Residue		
Penetration, 77EF (25EC), 100g, 5 sec, dmm	T 59	100-250
Solubility, percent	T 59	97.5 min.

Table 12

High Float Medium Setting Emulsified Asphalt (HFMS-2)			
Tests	AASHTO Test Method	Min.	Max.
Emulsion			
Viscosity, SF, 122/F (50/C), s (Project Site Acceptance/Rejection Limits)	T59	70	300
Storage Stability Test, 1d, 24 h, percent	T59		1.0
Sieve Test , percent	T59		0.1
Distillation	T59		
Oil Distillate, by volume of emulsion, percent	T59	NA	NA
Residue, percent	T59	65	
Residue from Distillation Test			
Penetration, 77/F (25/C), 100g, 5 s, dmm	T49	50	200
Float Test, 140/F (60/C), s	T50	1200	
Solubility in Trichloroethylene, percent	T44	97.5	
Ductility, 77/F (25/C) 5cm/min, cm	T51	40	

Table 13

High Float Medium Setting Emulsified Polymerized Asphalt (HFMS-2P) (a)			
Tests	AASHTO Test method	Min.	Max.
Emulsion			
Viscosity, SF, 122EF (50EC), s (Project Site Acceptance/Rejection Limits)	T 59	100	450
Storage Stability Test (a) 1 d, 24 h, percent	T 59		0.1
Sieve Test, percent	T 59		0.1
Distillation			
Oil distillate, by volume of emulsion, percent	T 59	1	7
Residue (c), percent	T 59	65	
Residue from Distillation Test			
Penetration, 77EF (25EC), 100 g, 5 s, dmm	T 49	70	300
Float Test, 140EF (60EC), s	T 50	1200	300
Solubility in trichloroethylene, percent	T 44	97.5	
Elastic Recovery, 77EF (25EC), percent	T 301	50	
<p>(a) Supply an HFMS-2P (anionic, polymerized, high-float) as an emulsified blend of polymerized asphalt cement, water, and emulsifiers. Polymerize the asphalt cement with a minimum of 3.0% polymer by weight of the asphalt cement prior to emulsification. After standing undisturbed for a minimum of 24 hours, the emulsion shall be smooth and homogeneous throughout with no white, milky separation, pumpable, and suitable for application through a distributor.</p> <p>(b) May use the 24-hour (1-day) storage stability test instead of the five-day settlement test.</p> <p>(c) Determine the distillation by AASHTO T 59, with modifications to include a 350± 5EF (17±3C) maximum temperature to be held for 15 minutes.</p>			

Table 14

High Float Rapid Setting Emulsified Polymerized Asphalt (HFRS-2P) (a)			
Tests	AASHTO Test method	Min.	Max.
Emulsion			
Viscosity, SF @ 122EF (50EC), s (Project Site Acceptance/Rejection Limits)	T 59	50	450
Storage Stability Test (b) 1 d, 24 h, percent	T 59		1
Demulsibility 0.02 N Ca Cl ₂ , percent	T 59	40	
Sieve Test, percent	T 59		0.1
Distillation			
Oil distillate, by volume of emulsion, percent	T 59		3
Residue (c), percent	T 59	65	
Residue from Distillation Test			
Penetration, 77°F (25EC), 100 g, 5 s, dmm	T 49	70	150
Float Test, 140EF (60EC), s	T 50	1200	
Solubility in trichloroethylene, percent	T 44	97.5	
Elastic Recovery, 77EF (25EC), percent	T 301	58	
<p>(a) Supply an HFMS-2SP (anionic, polymerized, high-float) as an emulsified blend of polymerized asphalt cement, water, and emulsifiers. Polymerize the asphalt cement with a minimum of 3.0% polymer by weight of the asphalt cement prior to emulsification. After standing undisturbed for a minimum of 24 hours, the emulsion shall be smooth and homogeneous throughout with no white, milky separation, pumpable, and suitable for application through a distributor.</p> <p>(b) May use the 24-hour (1-day) storage stability test instead of the five-day settlement test.</p> <p>(c) Determine the distillation by AASHTO T 59, with modifications to include a $350 \pm 5\text{EF}$ (177±3EC) maximum temperature to be held for 15 minutes.</p>			

Table 15

Cationic Rapid Setting Emulsified Asphalt (CRS-2A,B)			
Tests	AASHTO Test Method	Min	Max
Emulsion			
Viscosity, SF, 122EF (50EC), s (Project Site Rejection/Acceptance Limits)	T 59	140	400
Storage stability test, 24 h, percent	T 59		1
Demulsibility, 35 mL 0.8 percent Sodium Dioctyl Sulfosuccinate, percent	T 59	40	
Particle charge test	T 59	Positive	
Sieve test, percent	T 59		0.10
Distillation			
Oil distillate, by volume of emulsion, percent	T 59		0
Residue, percent	T 59	65	
Use PG58-22 and PG64-22 as base asphalt cement for CRS-2A, B, respectively. Specification for high temperature performance: original and RTFO G*/sind within 3EC of grade.			

Table 16

Emulsified Type B Asphalt Pavement Rejuvenating Agent Concentrate		
Tests	Test Method	Limits
Viscosity, SF, 77EF (25EC), s	AASHTO T 59	25-150
Residue, percent W	AASHTO T 59 (mod) (a)	62 Min.
Sieve Test, percent W	AASHTO T 59	0.10 Max.
5-day Settlement	AASHTO T 59	5.0 Max.
Particle Charge	AASHTO T 59	Positive
Pumping Stability (b)		Pass
Residue from Distillation (a)		
Viscosity @ 140°F (60°C), mm ² /s	AASHTO T 201	2500-7500
Solubility in 1,1,1 Trichloroethylene, percent	AASHTO T 44	98 Min.
Flash Point, COC	ASTM D 92	204EC, Min.
Asphaltenes, percent W	ASTM D 2007	15 Max.
Saturates, percent W	ASTM D 2007	30 Max.
Aromatics, percent W	ASTM D 2007	25 Min.
Polar Compounds, percent W	ASTM D 2007	25 Min.
(a) Determine the distillation by AASHTO T 59 with modifications to include a 300 ±5EF (149±3EC) maximum temperature to be held for 15 minutes. (b) Test pumping stability by pumping 475 ml of Type B diluted 1 part concentrate to 1 part water, at 77EF (25/C) through a 1/4 inch gear pump operating at 1750 rpm for 10 minutes with no significant separation or coagulation in pumped material.		

Type B: an emulsified blend of, lube oil and/or lube oil extract, and petroleum asphalt.

Table 17

Emulsified Type B Modified Asphalt Pavement Rejuvenating Agent Concentrate		
Property	Test Method	Limits
Viscosity, SF, 77EF (25EC), s	AASHTO T 59	50-200
Residue by distillation or Evaporation (a), percent W	AASHTO T 59	62 Min.
Sieve Test, percent W	AASHTO T 59	0.20 Max.
5-day Settlement, percent W	AASHTO T 59	5.0 Max.
Particle Charge	AASHTO T 59	Positive
Pumping Stability (b)		Pass
Residue from Distillation (a)		
Viscosity (c) 275EF (135EC), cP	ASTM D 4402	150 - 300
Penetration, 77EF (25EC), dmm	AASHTO T 49	180 Min.
Solubility in 1,1,1 Trichloroethylene, percent	AASHTO T 44	98 Min.
Flash Point, COC, EF (EC)	AASHTO T 48	400(204) Min.
Asphaltenes, percent W	ASTM D 2007	20-40
Saturates, percent % W	ASTM D 2007	20 Max.
Polar Compounds, percent W	ASTM D 2007	25 Min.
Aromatics, percent W	ASTM D 2007	20 Min.
PC/S Ratio	ASTM D 2007	1.5 Min.
(a) Determine the distillation by AASHTO T 59 with modifications to include a 300±5EF (149±3°C) maximum temperature to be held for 15 minutes. (b) Pumping stability is tested by pumping 475 ml of Type B diluted 1 part concentrate to 1 part water, at 77EF (25EC) through a 1/4 inch gear pump operating at 1750 rpm for 10 minutes with no significant separation or coagulation in pumped material. (c) Brookfield Thermocel Apparatus-LV model. ; 50 rpm with a #21 spindle, 7.1 g residue, at > 10 torque		
As required by the Asphalt Emulsion Quality Management Plan, UDOT Minimum Sampling and Testing Guide, Section 508) the supplier certifies that the base stock contains a minimum of 15% by weight of Gilsonite Ore. Use the HCL precipitation method as a qualitative test to detect the presence of Gilsonite.		

Table 18

Emulsified Type C Asphalt Pavement Rejuvenating Agent Concentrate		
Property	Test Method	Limits
Viscosity, SF, 77EF (25EC), s	AASHTO T 59	10-100
Residue (a), percent W (Type C supplied ready to use 1:1 or 2:1.	AASHTO T 59 (a)	30 Min. 1:1 40 Min. 2:1
Sieve Test, percent W (b)		0.10 Max.
5-day Settlement, percent W	AASHTO T 59	5.0 Max.
Particle Charge	AASHTO T 59	Positive
pH (May be used if particle charge test is inconclusive)		2.0 - 7.0
Pumping Stability (c)		Pass
Tests of Residue from Distillation (a)		
Viscosity, 275EF (135°C), mm ² /s	AASHTO T 201	475-1500
Solubility in 1,1,1 Trichloroethylene, percent	AASHTO T 44	97.5 Min.
RTFO mass loss, percent W	AASHTO T 240	2.5 Max.
Specific Gravity	AASHTO T 228	0.98 Min.
Flash Point, COC	AASHTO T 48	232 EC, Min.
Asphaltenes, percent W	ASTM D 2007	25 Min., 45 Max.
Saturates, percent W	ASTM D 2007	10 Max.
Polar Compounds, percent W	ASTM D 2007	30 Min.
Aromatics, percent W	ASTM D 2007	15 Min.
(a) Determine the distillation by AASHTO T 59 with modifications to include a 300± 5EF (149 ± 3EC) maximum temperature to be held for 15 minutes. (b) Test method identical to AASHTO T 59 except that distilled water is used in place of 2 % sodium oleate solution. (c) Test pumping stability by pumping 475 ml of Type diluted 1 part concentrate to 1 part water, at 77EF (25EC) through a 1/4 inch gear pump operating at 1750 rpm for 10 minutes with no significant separation or coagulation in pumped material.		
As required by the Asphalt Emulsion Quality Management Plan, UDOT Minimum Sampling and Testing Guide, Section 508), the supplier certifies that the base stock contains a minimum of 10% by weight of Gilsonite ore. Use the HCL precipitation method as a qualitative test to detect the presence of Gilsonite.		

Table 19

Emulsified Type D Asphalt Pavement Rejuvenating Agent Concentrate		
Property	Test Method	Limits
Viscosity, SF, 77EF (25EC), s	AASHTO T 59	30-90
Residue, (a) percent W	AASHTO T 59 (mod) (a)	65
Sieve Test, percent W	AASHTO T 59	0.10 Max.
pH		2.0 - 5.0
Residue from Distillation (c)		
Viscosity, 140EF (60EC), cm ² /s	AASHTO T 201	300-1200
Viscosity, 275EF (135EC), mm ² /s	AASHTO T 201	300 Min.
Modified Torsional Recovery (b)	CA 332 (Mod)	40 % Min.
Toughness, 77EF (25EC), in-lb	ASTM D 5801	8 Min.
Tenacity, 77EF (25EC), in-lb	ASTM D 5801	5.3 Min.
Asphaltenes, percent W	ASTM D 2007	16 Max.
Saturates, percent W	ASTM D 2007	20 Max.
(a) California test method #331 for recovery of residue.		
(b) Torsional recovery measurement to include first 30 seconds.		
(c) Determine the distillation by AASHTO T 59 with modifications to include a 300±5EF (149±3EC) maximum temperature to be held for 15 minutes.		

2.3 HOT-POUR CRACK SEALANT FOR BITUMINOUS CONCRETE

- A. Combine a homogenous blend of materials to produce a sealant meeting properties and tests in Table 20.
- B. Packaging and Marking: Supply sealant pre-blended, pre-reacted, and pre-packaged in lined boxes weighing no more than 30 lb.
 1. Use a dissolvable lining that will completely melt and become part of the sealant upon subsequent re-melting.
 2. Deliver the sealant in the manufacturer's original sealed container. Clearly mark each container with the manufacturer's name, trade name of sealant, batch or lot number, and recommended safe heating and application temperatures.

Table 20

Hot-Pour Bituminous Concrete Crack Sealant			
Application Properties:			
Workability:	Pour readily and penetrate 0.25 in -inch and wider cracks for the entire application temperature range recommended by the manufacturer.		
Curing:	No tracking caused by normal traffic after 45 minutes from application.		
Asphalt Compatibility: ASTM D 5329, Section 14.	No failure in adhesion. No formation of an oily ooze at the interface between the sealant and the bituminous concrete or softening or other harmful effects on the bituminous concrete.		
Material Handling:	Follow the manufacturer's safe heating and application temperatures.		
Test Method	Property	Minimum	Maximum
AASHTO T 51	Ductility, modified, 1cm/min, 39.2EF (4EC), cm	30	
UDOT method 967	Cold Temperature Flexibility	no cracks	
AASHTO T 300 (a)	Force-Ductility, lb force		4
ASTM D 5329	Flow 140EF (60EC), 5 hrs 75Eangle, mm		3
ASTM D 3405 (b)	Tensile-Adhesion, modified	300%	
AASHTO T 228	Specific Gravity, 60EF (15.6EC)		1.140
ASTM D 5329	Cone Penetration, 77EF (25EC), 150 g, 5 sec., dmm		90
ASTM D 5329	Resilience, 77EF (25EC), 20 sec., percent	30	
ASTM D 4402	Viscosity, 380EF (193.3EC), SC4-27 spindle, 20 rpm, cP		2500
ASTM D 5329	Bond as per ASTM D 1190, Section 6.4		Pass
(a) Maximum of 4 lb force during the specified elongation of 30 cm @ 1 cm/min, 39.2EF (4EC).			
(b) Use ASTM D 3405, Section 6.4.1. Delete bond and substitute tensile-adhesion test in accordance to D 5329.			

PART 3 EXECUTION Not used

END OF SECTION

Revision History

November 18, 2004 - Revised LMCRS-2 by adding Table 10 from 02745M.

ATTACHMENT C: SPECIAL TERMS AND CONDITIONS

1. **CONTRACT PURCHASE:** This is a requirements contract to provide the State with Asphalt Material for a period of one year with a one year renewal option.
2. **CONTRACT ACCEPTANCE:** At the time the bid form is signed by the offeror, the signature of that offeror will be used as a legally binding signature, if awarded the contract. When signed by the Division of Purchasing and a Utah Department of Transportation representative and assigned a contract number, this document will become a legally binding contract with the offeror for the contract period.
3. **QUANTITY OR AMOUNT ESTIMATES:** This is a requirements contract with the State. Estimated contract amounts are for bidding purposes only and are not to be construed as a guarantee to purchase any specific amount.
4. **PRICE ADJUSTMENTS:** Requests for a price change due to crude oil or transportation cost fluctuations must be submitted for approval along with supporting documentation to State a minimum of 45 days prior to the proposed date of change. Only one price increase shall be allowed each year. An adjustment or amendment to the contract shall be effective when approved by the Procurement Manager or Procurement Supervisor.

If a price increase is approved, the modification to the contract shall become effective within 45 days of the date UDOT received the request accompanied by supporting documentation.

5. **WAGES:** The Contractor shall be responsible for all applicable company wages in accordance with the federal, state, and local laws and ordinances.
6. **INVOICING:** THE CONTRACT NUMBER AND ORDER NUMBER MUST APPEAR ON ALL INVOICES, BILLS OF LADING, PACKAGES AND ALL CORRESPONDENCE RELATING TO EACH ORDER AND DELIVERY.

If an adjustment in payment is necessary due to damage, the cash discount period shall commence on the date final approval is authorized. The State reserves the right to adjust incorrect invoices.

The Contractor shall submit invoices to the appropriate Utah Department of Transportation Region/District, (see attached invoice list). The State will remit payment by mail.

ATTACHMENT C: SPECIAL TERMS AND CONDITIONS

7. **NON-COMPETE CLAUSE:** The Contractor represents its officers and employees are free to contract with the State and are not subject to restrictions by the terms of their present or past employment including, but not limited to an agreement not to compete for a period of time unless disclosure has been made. A Contractor must disclose to the State any possible conflicts, in writing, before the contract is signed and the State will evaluate whether to continue with contract execution. The State may elect to terminate a contract immediately with a Contractor who is subsequently determined to be subject to such restrictions without liability to the State. If the State elects to terminate a contract for this reason, the State will supersede paragraph #12 in Attachment A - Standard Terms and Conditions and will not provide 90 day prior notice to the Contractor.
8. **DELIVERY:** The Contractor agrees to provide the State with materials in transport trucks, F.O.B. Destination as listed on the attached price lists. Deliveries shall be on an as needed basis, and shall be made at a time agreed upon between the Contractor and the Region/District ordering the material.

The Contractor shall require not more than twenty-four (24) hour advance notice on delivery of materials.

The Region/District shall be notified as soon as possible of a late delivery due to a major breakdown, accident or employee illness occurring after the delivery has left the refinery, or loading point. If the Region/District does not receive notification a reduction in payment for that material shall be at a rate of \$75.00 per one quarter hour for seal coat operations, \$25.00 per one quarter hour for all other maintenance material. Late charges will be charged up to four hours.

Any deliveries later than four hours shall not be accepted.

Full credit less transportation costs will be given for material returned due to weather conditions.

The State reserves the right to obtain undelivered quantities from the next lowest bidder for the material, or from another supplier if no other bids exist, with all cash in excess of the Contractor's bid price being the sole responsibility of the Contractor or their Performance Bond.

ATTACHMENT C: SPECIAL TERMS AND CONDITIONS

9. **BASIS OF PAYMENT:** All Asphalt Material complying to applicable specifications shall be measured and paid by the ton, weighed on approved certified scales and supported by weight tickets with each delivery.

The agreed price per ton shall be full compensation for each ton purchased.

Bids submitted shall include freight to designated zones and will reflect the current petroleum fuel surcharge as published by Intermountain Tariff Bureau, Tariff No. 6-C (Intrastate) or Tariff Bureau ICC-NMF 121 (Interstate).

10. **PERFORMANCE AND PAYMENT BOND:** At the time of the execution of the contract, the Contractor shall provide a performance and a payment bond in the amount of fifteen percent (15%) of the total awarded contract guaranteeing performance, product and payment.

**STATE OF UTAH
DEPARTMENT OF TRANSPORTATION
REGION ONE**

UDOT SPREAD

PRODUCT	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE
	A	B	C	D	E	F	G	H	I	J	K
SC LIQUID ASP.											
MC LIQUID ASP.											
SS OR CSS EMUL.											
CRS-2A											
CRS-2B											
CRS-2P											
LMCRS-2											
LMCRS-2A											
REJ. TYPE B											
REJ. TYPE B, MOD											
REJ. TYPE C											
REJ. TYPE D											
REJ. TYPE B, MOD DILUTED 1:1											
REJ. TYPE B MOD DILUTED 2:1											

REQUIRE (2) TWO HOURS OF FREE UNLOADING TIME.

CHARGE FOR EXCESS UNLOADING TIME _____ PER HOUR.

OVERNIGHT CHARGE \$ _____.

**STATE OF UTAH
DEPARTMENT OF TRANSPORTATION
REGION ONE**

UDOT SPREAD

PRODUCT	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE
	A	B	C	D	E	F	G	H	I	J	K
REJ. TYPE C DILUTED 1:1											
REJ. TYPE C DILUTED 2:1											
REJ. TYPE D DILUTED 1:1											
REJ. TYPE D DILUTED 2:1											
CSS DILUTED 1:1											
CSS DILUTED 2:1											
SS DILUTED 1:1											
SS DILUTED 2:1											
HFE, EMULSION											
HFMS-2											
HFMS-2S											
HFMS-2P DILUTED											

REQUIRE (2) TWO HOURS OF FREE UNLOADING TIME.

CHARGE FOR EXCESS UNLOADING TIME _____ PER HOUR.

OVERNIGHT CHARGE \$ _____.

**STATE OF UTAH
DEPARTMENT OF TRANSPORTATION
REGION TWO**

UDOT SPREAD

PRODUCT	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE
	A	B	C	D	E	F	G	H	I	J	K
SC LIQUID ASP.											
MC LIQUID ASP.											
SS OR CSS EMUL.											
CRS-2A											
CRS-2B											
CRS-2P											
LMCRS-2											
LMCRS-2A											
REJ. TYPE B											
REJ. TYPE B MOD											
REJ. TYPE C											
REJ. TYPE D											
REJ. TYPE B MOD DILUTED 1:1											
REJ. TYPE B MOD DILUTED 2:1											

REQUIRE (2) TWO HOURS OF FREE UNLOADING TIME.

CHARGE FOR EXCESS UNLOADING TIME _____ PER HOUR.

OVERNIGHT CHARGE \$ _____.

**STATE OF UTAH
DEPARTMENT OF TRANSPORTATION
REGION TWO**

UDOT SPREAD

PRODUCT	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE
	A	B	C	D	E	F	G	H	I	J	K
REJ. TYPE C DILUTED 1:1											
REJ. TYPE C DILUTED 2:1											
REJ. TYPE D DILUTED 1:1											
REJ. TYPE D DILUTED 2:1											
CSS DILUTED 1:1											
CSS DILUTED 2:1											
SS DILUTED 1:1											
SS DILUTED 2:1											
HFE, EMUL.											
HFMS-1											
HFMS-2S											
HFMS-2P DILUTED											

REQUIRE (2) TWO HOURS OF FREE UNLOADING TIME.
CHARGE FOR EXCESS UNLOADING TIME_____PER HOUR.
OVERNIGHT CHARGE \$_____.

**STATE OF UTAH
DEPARTMENT OF TRANSPORTATION
REGION THREE**

UDOT SPREAD

PRODUCT	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE
	A	B	C	D	E	F	G	H	I	J	K
SC LIQUID ASP.											
MC LIQUID ASP.											
SS OR CSS EMUL.											
CRS-2A											
CRS-2B											
CRS-2P											
LMCRS-2											
LMCRS-2A											
REJ. TYPE B											
REJ. TYPE B MOD											
REJ. TYPE C											
REJ. TYPE D											
REJ. TYPE B MOD DILUTED 1:1											
REJ. TYPE B MOD DILUTED 2:1											

REQUIRE (2) TWO HOURS OF FREE UNLOADING TIME.

CHARGE FOR EXCESS UNLOADING TIME _____ PER HOUR.

OVERNIGHT CHARGE \$ _____.

**STATE OF UTAH
DEPARTMENT OF TRANSPORTATION
REGION THREE**

UDOT SPREAD

PRODUCT	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE
	A	B	C	D	E	F	G	H	I	J	K
REJ. TYPE C DILUTED 1:1											
REJ. TYPE C DILUTED 2:1											
REJ. TYPE D DILUTED 1:1											
REJ. TYPE D DILUTED 2:1											
CSS DILUTED 1:1											
CSS DILUTED 2:1											
SS DILUTED 1:1											
SS DILUTED 2:1											
HFE, EMUL.											
HFMS-2											
HFMS-2S											
HFMS-2P DILUTED											

REQUIRE (2) TWO HOURS OF FREE UNLOADING TIME.
CHARGE FOR EXCESS UNLOADING TIME_____PER HOUR.
OVERNIGHT CHARGE \$_____.

**STATE OF UTAH
DEPARTMENT OF TRANSPORTATION
PRICE DISTRICT**

UDOT SPREAD

PRODUCT	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE
	A	B	C	D	E	F	G	H	I	J	K
SC LIQUID ASP.											
MC LIQUID ASP.											
SS OR CSS EMUL.											
CRS-2A											
CRS-2B											
CRS-2P											
LMCRS-2											
LMCRS-2A											
REJ. TYPE B											
REJ. TYPE B MOD											
REJ. TYPE C											
REJ. TYPE D											
REJ. TYPE B MOD DILUTED 1:1											
REJ. TYPE B MOD DILUTED 2:1											

REQUIRE (2) TWO HOURS OF FREE UNLOADING TIME.

CHARGE FOR EXCESS UNLOADING TIME _____ PER HOUR.

OVERNIGHT CHARGE \$ _____.

STATE OF UTAH
DEPARTMENT OF TRANSPORTATION
PRICE DISTRICT

UDOT SPREAD

PRODUCT	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE
	A	B	C	D	E	F	G	H	I	J	K
REJ. TYPE C DILUTED 1:1											
REJ. TYPE C DILUTED 2:1											
REJ. TYPE D DILUTED 1:1											
REJ. TYPE D DILUTED 2:1											
CSS DILUTED 1:1											
CSS DILUTED 2:1											
SS DILUTED 1:1											
SS DILUTED 2:1											
HFE, EMULSION											
HFMS-2											
HFMS-2S											
HFMS-2P DILUTED											

REQUIRE (2) TWO HOURS OF FREE UNLOADING TIME.
CHARGE FOR EXCESS UNLOADING TIME_____PER HOUR.
OVERNIGHT CHARGE \$_____.

**STATE OF UTAH
DEPARTMENT OF TRANSPORTATION
RICHFIELD DISTRICT**

UDOT SPREAD

PRODUCT	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE
	A	B	C	D	E	F	G	H	I	J	K
SC LIQUID ASP.											
MC LIQUID ASP.											
SS OR CSS EMUL.											
CRS-2A											
CRS-2B											
CRS-2P											
LMCRS-2											
LMCRS-2A											
REJ. TYPE B											
REJ. TYPE B MOD											
REJ. TYPE C											
REJ. TYPE D											
REJ. TYPE B MOD DILUTED 1:1											
REJ. TYPE B MOD DILUTED 2:1											

REQUIRE (2) TWO HOURS OF FREE UNLOADING TIME.

CHARGE FOR EXCESS UNLOADING TIME _____ PER HOUR.

OVERNIGHT CHARGE \$ _____.

**STATE OF UTAH
DEPARTMENT OF TRANSPORTATION
RICHFIELD DISTRICT**

UDOT SPREAD

PRODUCT	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE
	A	B	C	D	E	F	G	H	I	J	K
REJ. TYPE C DILUTED 1:1											
REJ. TYPE C DILUTED 2:1											
REJ. TYPE D DILUTED 1:1											
REJ. TYPE D DILUTED 2:1											
CSS DILUTED 1:1											
CSS DILUTED 2:1											
SS DILUTED 1:1											
SS DILUTED 2:1											
HFE, EMULSION											
HFMS-2											
HFMS-2S											
HFMS-2P DILUTED											

REQUIRE (2) TWO HOURS OF FREE UNLOADING TIME.
CHARGE FOR EXCESS UNLOADING TIME_____PER HOUR.
OVERNIGHT CHARGE \$_____.

**STATE OF UTAH
DEPARTMENT OF TRANSPORTATION
CEDAR CITY DISTRICT**

UDOT SPREAD

PRODUCT	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE
	A	B	C	D	E	F	G	H	I	J	K
SC LIQUID ASP.											
MC LIQUID ASP.											
SS OR CSS EMUL.											
CRS-2A											
CRS-2B											
CRS-2P											
LMCRS-2											
LMCRS-2A											
REJ. TYPE B											
REJ. TYPE B MOD											
REJ. TYPE C											
REJ., TYPE D											
REJ. TYPE B MOD DILUTED 1:1											
REJ. TYPE B MOD DILUTED 2:1											

REQUIRE (2) TWO HOURS OF FREE UNLOADING TIME.

CHARGE FOR EXCESS UNLOADING TIME _____ PER HOUR.

OVERNIGHT CHARGE \$ _____.

**STATE OF UTAH
DEPARTMENT OF TRANSPORTATION
CEDAR CITY DISTRICT**

UDOT SPREAD

PRODUCT	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE	ZONE
	A	B	C	D	E	F	G	H	I	J	K
REJ. TYPE C DILUTED 1:1											
REJ. TYPE C DILUTED 2:1											
REJ. TYPE D DILUTED 1:1											
REJ. TYPE D DILUTED 2:1											
CSS DILUTED 1:1											
CSS DILUTED 2:1											
SS DILUTED 1:1											
SS DILUTED 2:1											
HFE, EMUL.											
HFMS-2											
HFMS-2S											
HFMS-2P DILUTED											

REQUIRE (2) TWO HOURS OF FREE UNLOADING TIME.
CHARGE FOR EXCESS UNLOADING TIME_____PER HOUR.
OVERNIGHT CHARGE \$_____.

STATE OF UTAH
DIVISION OF PURCHASING

AGENCY CONTRACT BOND STATEMENT

AWARD REQUIREMENTS

A 15% performance/payment bond will be required from the award vendor within 14 days after notification of award. Bonds must be in the form of a cashiers checks (no personal or business checks) or a surety bond from a licensed surety company doing business in the State of Utah.

Performance/payment bonds (or checks) will be **held as security for a period of 12 months after completion of project, per state law.** Checks submitted will be returned certified mail only after this specified time. Bidders name must be the same on both the bid forms and all bonds submitted.

Please indicate which method of bonding will be used if awarded this job:

_____ 15% CASHIERS CHECK

_____ 15% PERFORMANCE/PAYMENT BOND

Bond/Ins. Company_____

Agent Name_____

Fax #_____ Phone #_____

Upon awarding, the requesting agency will fax a verification to the bonding company listed above to start the bonding process. It is then the responsibility of the vendor or follow through with their bonding agent to assure the bond is processed. After the bonding company sends the bond to vendor for signatures, it is the responsibility of the vendor to mail or hand carry the original bond (no copies or faxes accepted) to the requesting agency, to the attention of the contract person listed on the bid. **No work can commence until the requesting agency has receipt of this performance/payment bond.** After this time the contract will be officially released to the award vendor.